### MERIDIAN ECONOMICS

Trusted Insight, Effective Solutions

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**Business & Industry Consulting** 

arket Analysis

Financial Investments

: Regulatory Expert

11 September 2020

	US Treasury	Rates-									
		THIS WK	LAST MO	YR END	LAST YR	CI	HANGES SIN	CE		YIELD CURVE ASSESSM	IENT
		9/10/20	8/10/20	12/31/19	9/10/19	This Yr	Last Yr	This Cycle	4.00%		
Щ									4.00% —		
CURVE	Fed Funds	0.09%	0.10%	1.55%	2.13%	-1.46%	-2.04%	-2.36%	3.50% —		
5	3mo	0.12%	0.11%	1.55%	1.95%	-1.43%	-1.83%	-2.23%	3.00% —		
Г	6mo	0.12%	0.13%	1.60%	1.89%	-1.48%	-1.77%	-2.40%	3.00%	/	
YIELD	1yr	0.15%	0.13%	1.59%	1.81%	-1.44%	-1.66%	-2.59%	2.50% 🕂		
	2yr	0.14%	0.14%	1.58%	1.67%	-1.44%	-1.53%	-2.84%	2.00% +		
AND	Зуr	0.17%	0.15%	1.62%	1.61%	-1.45%	-1.44%	-2.88%	2.00%		
	5yr	0.26%	0.24%	1.69%	1.58%	-1.43%	-1.32%	-2.83%	1.50% 📍		
RATES	7yr	0.46%	0.42%	1.83%	1.66%	-1.37%	-1.20%	-2.71%	1.00% —		
R	10yr	0.68%	0.59%	1.92%	2.00%	-1.24%	-1.32%	-2.56%	1.00%	A A A A A A A A A A A A A A A A A A A	Nov2018
ST	30yr	1.43%	1.25%	2.39%	2.19%	-0.96%	-0.76%	-0.75%	0.50% 🍸		LAST YEAR
R									0.00%		BEGIN YR
Ë	Slope of the	Yield Curve-								23 5 7 10	Jul2016 30
$\leq$	2yr-3mo	0.02%	0.03%	0.03%	-0.28%	-0.01%	0.30%	-0.61%			CURRENT
뙷	5yr-2yr	0.12%	0.10%	0.11%	-0.09%	0.01%	0.21%	0.01%		CYCLICAL CHANGES SUN	/IMARY
MA	10yr-5yr	0.42%	0.35%	0.23%	0.42%	0.19%	0.00%	0.27%		Jul16 Low-Nov18 High	Nov18 High-Current
BENCHMARK INTEREST	10yr-3mo	0.56%	0.48%	0.37%	0.05%	0.19%	0.51%	-0.33%	Fed Funds	2.15%	-2.36%
BEN	Other Intere	st Rates-							1year	2.24%	-2.59%
	Prime	3.25%	3.25%	4.75%	5.25%	-1.50%	-2.00%	-2.25%	2years	2.32%	-2.84%
	1mo LIBOR	0.15%	0.17%	1.76%	2.04%	-1.61%	-1.89%	-2.37%	3years	2.28%	-2.88%
	6mo LIBOR	0.28%	0.33%	1.91%	2.04%	-1.63%	-1.76%	-2.63%	5years	2.06%	-2.83%
	12mo LIBOR	0.41%	0.46%	2.00%	1.97%	-1.59%	-1.56%	-2.72%	10years	1.81%	-2.56%
_											

### ANNUAL CONSUMER PRICES RISE 1.3%; CONSUMER CREDIT INCREASES 3.3%

The cost of U.S. goods and services rose sharply in August for the third month in a row, but the increase mostly stemmed from a rebound in prices after a steep decline early in the coronavirus pandemic. Overall inflation is still quite low.

The consumer price index, a measure of the cost of living, rose 0.4% last month, the government said Friday. The biggest spike in the cost of used cars and trucks in more than a half-century accounted for more than 40% of the increase in the index.

Even after three straight monthly increases in the CPI, inflation remains low. The increase in consumer prices over the past 12 months moved up to 1.3% from 1%.

U.S. consumer borrowing rose in July for a second month, reflecting an increase in non-revolving credit such as auto loans as the economy reopened more broadly and spending picked up.

The bounce back in consumer borrowing is in line with recent increases in retail sales, particularly purchases of motor vehicles. Still, consumer sentiment remains weak, and the expiration of the additional \$600 of unemployment benefits could impact spending and borrowing in the coming months.

		LATEST	CURRENT	PREV
GDP	QoQ	Q2-1st	-31.7%	-5.0%
GDP - YTD	Annl	Q2-1st	-18.4%	-5.0%
Consumer Spending	QoQ	Q2-1st	-34.1%	-6.9%
Consumer Spending	Annl	Q2-1st	-20.5%	-6.9%
Unemployment	Мо	August	8.4%	10.2%
Consumer Inflation	YoY	August	1.3%	1.0%
Core Inflation	YoY	August	1.7%	1.6%
Consumer Credit	Annual	July	3.6%	3.3%
Retail Sales	YoY	July	-2.1%	-3.4%
Vehicle Sales	Annl (Mil)	August	15.6	14.9
Home Sales	Annl (Mil)	July	6.636	5.396
Home Prices	YoY	June	3.5%	3.5%

### Key Consumer Market Data-

	THIS WK	YR END	PCT Cł	IANGES
	9/10/20	12/31/19	YTD	12Mos
DJIA	27,535	28,538	-3.5%	1.5%
S&P 500	3,339	3,231	3.3%	11.5%
NASDAQ	10,920	8,973	21.7%	34.4%
Crude Oil	37.30	61.06	-38.9%	-32.2%
Avg Gasoline	2.21	2.57	-14.0%	-13.2%
Gold	1,964.3	1,523.1	29.0%	31.0%

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#### AVERAGE CREDIT UNION RATES AND RATE SENSITIVITY

	THIS WK	YTD C	hange	Chg in Curr	ent Cycle*	Rate Sensitivity		
	9/10/20	Rate	Benchmark	Rate	Benchmark	YTD	Cycle	
Classic CC	10.90%	-0.55%	-1.50%	-0.79%	-2.25%	37%	35%	
Platinum CC	9.11%	-0.81%	-1.50%	-1.16%	-2.25%	54%	52%	
48mo Veh	3.06%	-0.41%	-1.44%	-0.60%	-2.84%	28%	21%	
60mo Veh	3.17%	-0.42%	-1.45%	-0.60%	-2.88%	29%	21%	
72mo Veh	3.50%	-0.41%	-1.44%	-0.62%	-2.86%	28%	22%	
HE LOC	4.08%	-0.92%	-1.50%	-1.48%	-2.25%	61%	66%	
10yr HE	5.06%	-0.22%	-1.43%	-0.46%	-2.88%	15%	16%	
15yr FRM	2.98%	-0.59%	-1.34%	-1.60%	-2.74%	44%	59%	
30yr FRM	3.32%	-0.69%	-1.24%	-1.74%	-2.56%	56%	68%	
Sh Drafts	0.12%	-0.02%	-1.46%	-0.02%	-2.36%	1%	1%	
Reg Svgs	0.14%	-0.05%	-1.46%	-0.05%	-2.36%	3%	2%	
MMkt-10k	0.22%	-0.23%	-1.46%	-0.26%	-2.36%	16%	11%	
MMkt-50k	0.31%	-0.31%	-1.46%	-0.34%	-2.36%	21%	14%	
6mo CD	0.37%	-0.62%	-1.48%	-0.66%	-2.40%	42%	28%	
1yr CD	0.53%	-0.87%	-1.44%	-0.98%	-2.59%	60%	38%	
2yr CD	0.68%	-0.96%	-1.44%	-1.17%	-2.84%	67%	41%	
3yr CD	0.79%	-1.00%	-1.45%	-1.27%	-2.88%	69%	44%	

"A"-PAPER MARKET RATES 8.00% 30yr FLM 7.00% 15yr FLM 6.00% 5yr Auto 5.00% 4.00% 3.00% 2.00% 1.00% UST 0.00% 05 06 08 08 09 9 11 12 13 14 15 16 5 18 σ 2 "A"-PAPER PRICING SPREADS 5.00% 4.50% 30yr FLM vs 10yr UST 4.00% 15yr FLM vs 7yr UST 3.50% 5yr Auto vs 3yr UST 3.00% 2.50% 2.00% 1.50% 1.00% 0.50% 0.00% ß 8 6 10 11 12 13 13 15 15 17 8 90 6 σ 0

\*Since Nov 2018

#### STRATEGICALLY FOR CREDIT UNIONS

As the U.S. has struggled with its fiscal problems, the Fed has kept interest rates low and most recently committed to bringing inflation up to its 2% goal. The central bank has indicated it will not raise rates even if inflation runs above the goal for a period of time and unemployment hits levels generally associated with higher cost pressure.

Inflation has been running consistently below the 2% level for most of the past decade and more recently was closer to 1%.

A sharp increase in the cost of used cars and trucks was the biggest contributor to the rise in consumer prices last month. They jumped 5.4% to mark the largest gain in 51 years, an exaggerated increase that should fade soon. Over the past year used-vehicle prices have risen less than 1%.

The cost of gasoline, meanwhile, rose a smaller 2% in August after bigger gains earlier in the summer. Gasoline is much cheaper now than it was a year earlier, however.

Notably, grocery prices fell. They surged in the first few months of the pandemic as Americans stocked up, but prices have since leveled off.

Additional information and other market-related reports can be viewed at www.Meridian-ally.com

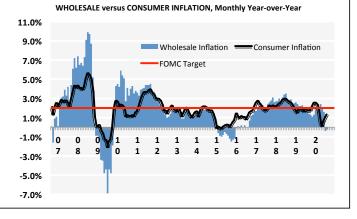
#### ECONOMIC RELEASES

RELEASES THIS WEEK:	Current	Previous
Wholesale Inflation (Aug, YoY)	-0.2%	0.4%
Consumer Infaltion (Aug, Yoy)	1.3%	1.0%
Consumer Credit (July)	3.3%	3.6%

RELEASES FOR UPCOMING WEEK:	Projected	Previous
Retail Sales (August, YoY)	2.5%	2.7%
FOMC Announcement No materia	al change in monne	tary policy
Leading Economic Indicators (August, MoM)	1.0%	1.4%

INFLATION PROFILE

#### MERIDIAN ECONOMICS Trusted Insight, Effective Solutions



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### ECONOMIC CALENDAR

MONDAY TUESDAY WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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15	14	13	12	11	August 10
22	Retail Sales 1.2% Ind Production -8.2%	13 Jobless Claims 963k Cont'd Claims 15.5M	Cons Inflation 1.0%	Wh Inflation -0.4%	August 10
22	21 Exist Home Sales 5.86M	20 Jobless Claims 1.1M Cont'd Claims 14.8M	19 FOMC Minutes	18	17
29	28 Personal Income 0.4% Pers'l Spending 1.9%	27 Jobless Claims 1.0M Cont'd Claims 14.5M GDP (Q2, 2nd) -31.7%	26 Durable Goods 11.2%	25 Home Prices 3.5% Cons Confidence 84.8 New Home Sales 901k	24
5	4 Unemployment 8.4%	3 Jobless Claims 881k Cont'd Claims 13.2M	2 FOMC Beige Book	Sep 1	31
12	11 Cons Inflation 1.3%	10 Jobless Claims 884k Cont'd Claims 13.3M Whsle Inflation -0.2%	9	8 Consumer Credit 3.3%	7 LABOR DAY HOLIDAY
19	18 Leading Indicators	17 Jobless Claims Cont'd Claims	16 Retail Sales FOMC Announcement	15 Industrial Production	14
26	25 Durable Goods	24 Jobless Claims Cont'd Claims New Home Sales	23	22 Existing Home Sales	21
3	2 Unemployment	October 1 Jobless Claims Cont'd Claims Consumer Inflation	30 GDP (Q2, Final)	29 Home Prices Consumer Confidence	28
10	9	8 Jobless Claims Cont'd Claims	7 FOMC Minutes Consumer Credit	6	5

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August 2020

#### **ECONOMIC FORECAST**

		2019			202	20			20	21	
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Gross Domestic Product	2.0%	2.1%	2.1%	-5.0%	-32.9%	18.3%	5.4%	3.5%	5.9%	3.8%	3.4%
Consumer Spending	4.6%	3.2%	1.8%	-6.9%	-34.6%	25.6%	4.3%	0.1%	4.4%	3.4%	3.6%
Government Spending	5.0%	2.1%	2.4%	1.3%	2.7%	2.0%	-2.5%	0.5%	0.8%	0.8%	0.1%
Consumer Inflation	1.8%	1.8%	2.0%	2.1%	0.4%	1.0%	0.9%	1.6%	3.2%	2.8%	3.0%
Unemployment Rate	3.6%	3.6%	3.5%	3.8%	13.0%	9.7%	8.2%	7.7%	7.1%	6.7%	6.7%
Home Prices	1.8%	1.8%	2.0%	2.1%	3.5%	3.5%	3.2%	3.0%	3.0%	3.4%	3.7%
HOME & VEHICLE LOAN MA	DKETC										
Fotal Home Sales (Mil)	5.948	6.109	6.131	6.185	5.150	6.151	6.078	6.189	6.325	6.458	6.47
Existing Homes (Mil)	5.287	5.410	5.420	5.483	4.474	5.364	5.313	5.430	5.566	5.693	5.71
New Homes (Mils)	0.661	0.699	0.711	0.702	0.676	0.787	0.765	0.759	0.759	0.765	0.75
Single Family Origs (B\$)	501	651	696	563	928	860	635	502	579	554	480
Purchase	355	375	314	257	348	410	325	302	379	392	332
Refinancing	146	276	382	306	580	450	310	200	200	162	148
Refi Share (%)	29%	42%	55%	54%	63%	52%	49%	40%	35%	29%	31%
Vehicle Loans Sales (Mil)	17.6	18.6	18.2	15.4	14.0	15.6	15.0	15.3	16.4	16.5	16.8
MARKET RATE OUTLOOK				1				1			
Fed Funds	2.4%	1.9%	1.6%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
2-year US Treasury	2.4%	2.7%	2.8%	1.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.17
3-year US Treasury	2.3 <i>%</i> 1.7%	1.7%	2.8 <i>%</i> 1.6%	1.1%	0.1%	0.1%	0.3%	0.3%	0.3%	0.5%	0.6%
7-years US Treasury	1.9%	1.8%	1.6%	1.1%	0.2%	0.2%	0.3%	0.4%	0.4%	0.3%	1.19
10-year US Treasury	2.3%	1.8%	1.8%	1.2%	0.0%	0.8%	0.7%	1.1%	0.8 <i>%</i> 1.1%	1.2%	1.17
to year of freasury	2.370	1.070	1.070	1.470	0.770	0.070	0.970	1.1/0	1.1/0	1.2/0	1.37
5-year A-paper Vehicle	3.1%	3.2%	3.2%	3.5%	3.3%	3.3%	3.4%	3.6%	3.8%	3.8%	3.8%
15-year A-paper FLM	3.5%	3.1%	3.1%	3.0%	2.8%	2.8%	2.8%	2.9%	2.9%	2.9%	3.0%
30-year A-paper FLM	4.0%	3.7%	3.7%	3.5%	3.2%	3.2%	3.3%	3.4%	3.4%	3.5%	3.5%
									-		

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# **RESOURCES**

Business & Industry Consulting	g Mar	ket Analysis	Strate	egic Solution	s Finan	icial Investm	ents Ri	sk Manageme	ent Reg	gulatory Expe	ert
Q2-2020	<\$2 Million	\$2-10 Million	\$10-50 <million< th=""><th>\$50-100 Million</th><th>\$100-500 Million</th><th>\$500&gt; Million</th><th>TOTAL</th><th>&lt;\$10 Million</th><th>&lt;\$50 Million</th><th>&lt;\$100 Million</th><th>&lt;\$500 Million</th></million<>	\$50-100 Million	\$100-500 Million	\$500> Million	TOTAL	<\$10 Million	<\$50 Million	<\$100 Million	<\$500 Million
DEMOGRAPHICS											
Number of Credit Unions	377	854	1,580	665	1,061	627	5,164	1,231	2,811	3,476	4,537
Average Assets (\$Mil)	\$0.9	\$6.1	\$26.1	\$73.0	\$214.7	\$1,983.4	\$303.4	\$4.5	\$16.6	\$27.4	\$71.2
Pct of Credit Unions	7%	17%	31%	13%	21%	12%	100%	24%	54%	67%	88%
Pct of Industry Assets	0%	0%	2%	3%	13%	81%	100%	0%	3%	5%	19%
GROWTH RATES (YTD)											
Total Assets	-7.5%	-14.4%	-2.7%	-2.8%	6.9%	28.3%	23.3%	-14.0%	-4.0%	-3.4%	3.9%
Total Loans	-34.7%	-33.6%	-24.3%	-23.9%	-13.5%	10.2%	5.2%	-33.7%	-25.3%	-24.5%	-16.4%
Total Shares	-5.1%	-10.7%	-0.5%	-0.9%	8.1%	26.1%	21.8%	-10.4%	-1.7%	-1.3%	5.3%
Net Worth	-14.6%	-22.4%	-16.1%	-16.2%	-9.4%	9.9%	5.2%	-21.9%	-16.9%	-16.5%	-11.79
BALANCE SHEET ALLOCATION											
Net Worth-to-Total Assets	18.4%	15.6%	12.3%	11.5%	10.7%	10.3%	10.5%	15.8%	12.7%	12.1%	11.19
Cash & Inv-to-Total Assets	57%	52%	49%	43%	34%	29%	31%	52%	49%	46%	379
Loans-to-Total Assets	43%	47%	48%	52%	61%	67%	65%	47%	48%	50%	58%
Vehicle-to-Total Loans	60%	64%	49%	43%	39%	31%	33%	64%	51%	47%	41%
REL-to-Total Loans	1%	8%	30%	39%	45%	53%	51%	7%	27%	33%	429
REL-to-Net Worth	3%	23%	116%	177%	258%	343%	319%	22%	103%	139%	2219
Indirect-to-Total Loans	0%	0%	4%	11%	18%	21%	20%	0%	4%	8%	15%
Loans-to-Total Shares	53%	56%	55%	60%	70%	79%	76%	56%	55%	58%	66%
Nonterm-to-Total Shares	92%	85%	82%	80%	77%	72%	73%	85%	82%	81%	78%
Short-term Funding Ratio	46.5%	37.7%	31.1%	27.0%	20.7%	16.4%	17.6%	31.8%	29.4%	23.2%	17.89
Net Long-term Asset Ratio	3.4%	6.8%	17.1%	22.6%	29.2%	35.0%	33.3%	15.9%	19.3%	26.3%	33.29
Leverage Ratio Solvency Ratio	1.4% 122.8%	1.3% 118.6%	1.0% 114.1%	1.3% 113.1%	2.0% 112.1%	5.1% 112.4%	4.4% 112.5%	1.3% 118.8%	1.0% 114.7%	1.2% 113.8%	1.89 112.69
LOAN QUALITY											
Loan Delinguency Ratio	3.52%	1.57%	0.91%	0.75%	0.62%	0.56%	0.58%	0.98%	0.86%	0.68%	0.58%
Net Charge-off Ratio	0.51%	0.50%	0.31%	0.38%	0.39%	0.56%	0.53%	0.39%	0.39%	0.39%	0.53%
"Misery" Index	4.03%	2.07%	1.29%	1.13%	1.01%	1.12%	1.11%	1.37%	1.24%	1.07%	1.119
								1			
RE Loan Delinquency	1.88%	1.61%	0.91%	0.75%	0.61%	0.52%	0.54%	1.61%	0.93%	0.82%	0.65%
Vehicle Loan Delinquency	2.81%	1.44%	0.78%	0.63%	0.51%	0.44%	0.47%	1.52%	0.88%	0.76%	0.58%
Direct Loans Indirect Loans	2.81% 0.00%	1.44% 0.99%	0.76% 1.02%	0.60% 0.71%	0.45% 0.58%	0.36% 0.48%	0.44% 0.49%	1.52% 0.99%	0.87% 1.02%	0.75% 0.78%	0.56% 0.61%
Loss Allow as % of Loans	3.02%	1.36%	0.92%	0.86%	0.81%	1.04%	1.00%	1.46%	0.98%	0.92%	0.84%
Current Loss Exposure	1.73%	0.80%	0.51%	0.42%	0.38%	0.33%	0.34%	0.86%	0.54%	0.48%	0.41%
EARNINGS											
Gross Asset Yield	3.76%	3.56%	3.37%	3.34%	3.47%	3.73%	3.67%	3.57%	3.39%	3.36%	3.44%
Cost of Funds	0.35%	0.40%	0.41%	0.43%	0.55%	0.86%	0.79%	0.39%	0.41%	0.42%	0.51%
Gross Interest Margin	3.41%	3.16%	2.95%	2.91%	2.91%	2.87%	2.88%	3.18%	2.98%	2.94%	2.92%
Provision Expense	0.23%	0.24%	0.19%	0.22%	0.30%	0.66%	0.59%	0.24%	0.20%	0.21%	0.28%
Net Interest Margin	3.17%	2.92%	2.77%	2.69%	2.61%	2.21%	2.29%	2.94%	2.78%	2.74%	2.64%
Non-Interest Income	0.29%	0.52%	0.81%	1.05%	1.24%	1.26%	1.24%	0.50%	0.78%	0.92%	1.15%
Non-Interest Expense	3.68%	3.33%	3.29%	3.36%	3.44%	2.94%	3.04%	3.35%	3.30%	3.33%	3.419
Net Operating Expense	3.39%	2.82%	2.48%	2.31%	2.20%	1.68%	1.80%	2.85%	2.52%	2.41%	2.269
Net Operating Return	-0.21%	0.10%	0.29%	0.38%	0.40%	0.53%	0.50%	0.08%	0.27%	0.32%	0.38%
Non-recurring Inc(Exp)	0.12%	0.04%	0.02%	0.01%	0.01%	0.04%	0.03%	0.05%	0.02%	0.02%	0.019
Net Income	-0.10%	0.15%	0.31%	0.39%	0.42%	0.57%	0.53%	0.13%	0.29%	0.34%	0.40%

MERIDIAN H	ECONC ght, Effective						RES	OUI	RCE	S	
Business & Industry Consulting	g Ma	rket Analysis	Strat	egic Solution	s Fina	ncial Investm	ients Ri	sk Managem	ient Re	gulatory Exp	ert
Q2-2020	<\$2 Million	\$2-10 Million	\$10-50 <million< th=""><th>\$50-100 Million</th><th>\$100-500 Million</th><th>\$500&gt; Million</th><th>TOTAL</th><th>&lt;\$10 Million</th><th>&lt;\$50 Million</th><th>&lt;\$100 Million</th><th>&lt;\$500 Million</th></million<>	\$50-100 Million	\$100-500 Million	\$500> Million	TOTAL	<\$10 Million	<\$50 Million	<\$100 Million	<\$500 Million
OPERATING EFFICIENCIES:											
Core Activities-											
Earning Asset Allocation and R	Return										
Nonearning as Pct of Assets	1%	1%	3%	4%	5%	4%	4%	1%	3%	4%	5%
Cash & Investment Yield	1.06%	1.40%	1.46%	1.39%	1.26%	1.21%	1.23%	1.37%	1.45%	1.42%	1.32%
C&I as Pct of Assets	57%	52%	49%	43%	34%	29%	31%	52%	49%	46%	37%
Loan Yield, net	6.63%	5.52%	5.03%	4.72%	4.41%	4.17%	4.24%	5.58%	5.09%	4.89%	4.54%
Loans as Pct of Assets	43%	47%	48%	52%	61%	67%	65%	47%	48%	50%	58%
Avg Loan Balance Avg Loan Rate	\$4,948 6.87%	\$7,329 5.76%	\$8,110 5.21%	\$9,587 4.94%	\$13,332 4.72%	\$17,596 4.83%	\$16,262 4.83%	\$7,187 5.82%	\$8,004 5.28%	\$8,845 5.10%	\$12,174 4.81%
Avg Loan Yield, net	6.63%	5.52%	5.03%	4.72%	4.41%	4.17%	4.24%	5.58%	5.09%	4.89%	4.54%
Paying Funds Allocation and R	eturn										
NonTerm as Pct of Shares	92%	85%	82%	80%	77%	72%	73%	85%	82%	81%	78%
Share CDs as Pct of Shares	5%	10%	12%	14%	16%	20%	19%	10%	12%	13%	15%
Cost of Funds	0.35%	0.40%	0.41%	0.43%	0.55%	0.86%	0.79%	0.39%	0.41%	0.42%	0.51%
Avg Share Balance	\$2,502	\$5,040	\$8,055	\$9,239	\$10,548	\$12,942	\$12,185	\$4,739	\$7,488	\$8,374	\$9,777
Avg Share Rate NM Deposits as Pct of Shares	0.44% 1.3%	0.47% 1.1%	0.47% 0.9%	0.49% 0.9%	0.64% 0.9%	1.02% 0.9%	0.93% 0.9%	0.47% 1.1%	0.47% 0.9%	0.48% 0.9%	0.59% 0.9%
	1.5%	1.1/0	0.976	0.976	0.9%	0.5%	0.976	1.170	0.970	0.976	0.976
Average Margin per Account											
Avg Interest Inc per Loan	\$340	\$422	\$423	\$474	\$629 \$67	\$850	\$785	\$419	\$423	\$451	\$586 ¢58
Less: Avg Int Exp per Share Less: Avg Provisions per Loan	\$11 \$12	\$24 \$18	\$38 \$15	\$45 \$21	\$67 \$41	\$132 \$116	\$113 \$95	\$22 \$17	\$36 \$16	\$40 \$19	\$58 \$34
Avg Net Interest Margin	\$317	\$380	\$369	\$407	\$521	\$602	\$576	\$379	\$372	\$392	\$494
5 5 1							·				
Net Operating Profitability-											
Earning Asset/Funding	123%	117%	111%	109%	107%	109%	109%	118%	112%	110%	108%
Non-Int Inc-to-Total Rev	7%	13%	19%	24%	26%	25%	25%	12%	19%	21%	25%
Average per Full-time Equivale	ont										
Interest Income	\$43,463	\$90,497	\$129,978	\$134,352	\$141,569	\$215,628	\$195,161	\$84,360	\$121,977	\$127,942	\$137,419
Less: Interest Expense	\$4,075	\$10,089	\$15,889	\$17,203	\$22,634	\$49,532	\$41,958	\$9,304	\$14,734	\$15,924	\$20,591
Net Interest Margin	\$39,389	\$80,408	\$114,089	\$117,149	\$118,935	\$166,096	\$153,203	\$75,055	\$107,243	\$112,018	\$116,828
Less: Provisions	\$2,716	\$6,115	\$7,313	\$8,969	\$12,450	\$38,264	\$31,151	\$5,671	\$7,025	\$7,962	\$11,084
Net Interest Income	\$36,672	\$74,293	\$106,776	\$108,180	\$106,484	\$127,832	\$122,052	\$69,384	\$100,218		\$105,745
Non-Interest Income	\$3,396	\$13,146	\$31,439	\$42,357	\$50,687	\$72,980	\$65,886	\$11,874	\$28,007	\$34,924	\$45,887
Non-Interest Expense Net Operating Expense	\$42,553 <b>\$39,158</b>	\$84,790 <b>\$71,643</b>	\$127,057 <b>\$95,618</b>	\$135,304 <b>\$92,948</b>	\$140,631 <b>\$89,945</b>	\$170,345 <b>\$97,364</b>	\$161,462 <b>\$95,576</b>	\$79,279 <b>\$67,405</b>	\$118,677 <b>\$90,669</b>	\$126,691 \$ <b>91,767</b>	\$136,386 <b>\$90,500</b>
Net Operating Return	-\$2,486	\$2,650	\$11,158	\$15,232	\$16,539	\$30,468	\$26,476	\$1,980	\$9,548	\$12,288	\$15,245
Total Revenue	\$46,859	\$103,643	\$161,417	\$176,709	\$192,255	\$288,608	\$261,047	\$96,234	\$149,984	\$162,866	\$183,306
Compensation & Benefits	\$20,374	\$45,248	\$61,238	\$65,606	\$72,242	\$90,232	\$84,677	\$42,003	\$57,864	\$61,596	\$69,000
Occupancy & Operations All Other Expenses	\$13,582 \$8,598	\$22,624 \$16,917	\$34,040 \$31,778	\$34,573 \$35,125	\$35,751 \$32,638	\$41,695 \$38,418	\$39,928 \$36,858	\$21,444 \$15,832	\$31,831 \$28,981	\$33,153 \$31,943	\$34,960 \$32,426
An Other Expenses	20,020	\$10,917	221,110	222,1Z2	JJZ,030	J0,410	٥٥٥,٥٦٩	JTJ,032	720,301	JJ1,943	JJZ,420

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# **RESOURCES**

Business & Industry Consulting	g Ma	rket Analysis	Strate	egic Solution	s Fina	ncial Investn	nents Ri	sk Managem	ent Re	gulatory Exp	ert
Q2-2020	<\$2 Million	\$2-10 Million	\$10-50 <million< th=""><th>\$50-100 Million</th><th>\$100-500 Million</th><th>\$500&gt; Million</th><th>TOTAL</th><th>&lt;\$10 Million</th><th>&lt;\$50 Million</th><th>&lt;\$100 Million</th><th>&lt;\$500 Million</th></million<>	\$50-100 Million	\$100-500 Million	\$500> Million	TOTAL	<\$10 Million	<\$50 Million	<\$100 Million	<\$500 Million
Operating Expense Assessm	ient										
Expense Ratio Breakdown-											
Compensation & Benefits	1.76%	1.78%	1.59%	1.63%	1.77%	1.56%	1.59%	1.78%	1.61%	1.62%	1.73%
Occupancy & Ops	1.17%	0.89%	0.88%	0.86%	0.88%	0.72%	0.75%	0.91%	0.88%	0.87%	0.87%
All Other Expenses	0.74%	0.66%	0.82%	0.87%	0.80%	0.66%	0.69%	0.67%	0.81%	0.84%	0.81%
Total Operating Expenses	3.68%	3.33%	3.29%	3.36%	3.44%	2.94%	3.04%	3.35%	3.30%	3.33%	3.41%
- Travel and Conference	0.02%	0.02%	0.02%	0.03%	0.03%	0.02%	0.02%	0.02%	0.02%	0.02%	0.03%
- Educational and Promo	0.02%	0.02%	0.06%	0.09%	0.10%	0.11%	0.10%	0.02%	0.06%	0.07%	0.09%
- Loan Servicing	0.12%	0.11%	0.17%	0.21%	0.23%	0.20%	0.20%	0.11%	0.17%	0.19%	0.22%
- Prof and Outside Svcs	0.33%	0.36%	0.43%	0.45%	0.35%	0.22%	0.25%	0.36%	0.42%	0.44%	0.37%
- Member Insurance	0.03%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%
- Operating Fees	0.06%	0.03%	0.02%	0.02%	0.02%	0.01%	0.01%	0.03%	0.03%	0.02%	0.02%
- Miscellaneous	0.18%	0.11%	0.11%	0.07%	0.07%	0.12%	0.11%	0.11%	0.11%	0.09%	0.08%
Expense as Pct of Total-											
Compensation & Benefits	48%	53%	48%	48%	51%	53%	52%	53%	49%	49%	51%
Occupancy & Ops	32%	27%	27%	26%	25%	24%	25%	27%	27%	26%	26%
All Other Expenses	20%	20%	25%	26%	23%	23%	23%	20%	24%	25%	24%
- Travel and Conference	0%	0%	1%	1%	1%	1%	1%	0%	1%	1%	1%
- Educational and Promo	0%	1%	2%	3%	3%	4%	3%	1%	2%	2%	3%
- Loan Servicing	3%	3%	5%	6%	7%	7%	7%	3%	5%	6%	6%
- Prof and Outside Svcs	9%	11%	13%	13%	10%	7%	8%	11%	13%	13%	11%
- Member Insurance	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
- Operating Fees	2%	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%
- Miscellaneous	5%	3%	3%	2%	2%	4%	4%	3%	3%	3%	2%
Starffin a											
Staffing-											
Fotal Employees	489	2,505	11,485	12,633	58,997	236,611	322,720	2,994	14,479	27,112	86,109
Full-time Equivalents Pct PT Employees	295 80%	1,963 43%	10,611 15%	11,975 10%	56,737 8%	230,150 5%	311,730 7%	2,257 49%	12,868 22%	24,843 17%	81,580 11%
TE-to-Ops (Staffing)	2.04	0.77 \$45.249	0.42 \$61.228	0.36 \$65,606	0.30 \$72.242	0.20 \$00.222	0.22 \$84,677	0.84	0.46	0.41 \$61 E06	0.33 \$69,00
Avg Compensation & Benef	\$20,374	\$45,248	\$61,238	909,600	\$72,242	\$90,232	/ ۲٫۵٬۰۷	\$42,003	\$57,864	\$61,596	909,00
Membership Outreach-											
Members-to-Potential	7.1%	8.0%	3.0%	3.1%	2.5%	3.2%	3.0%	7.9%	3.4%	3.2%	2.7%
Members-to-FTEs	366	408	415	454	345	404	395	402	412	432	371
Borrowers-to-Members	27%	38%	55%	58%	55%	58%	57%	37%	52%	49%	52%
Branches	367	879	2,243	1,632	5,032	10,949	21,102	1,246	3,489	5,121	10,153

### MERIDIAN ECONOMICS

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Historical Year-End	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
DEMOGRAPHICS											
	7.000	7 00 4	6.010	6 55 4	6.270	6.024	5 305		E 075	5.226	<b>-</b>
No. of Credit Unions Avg Asset Size (\$Mil)	7,339 \$124.6	7,094 \$135.6	6,819 \$149.8	6,554 \$162.0	6,273 \$178.9	6,021 \$200.0	5,785 \$223.4	5,573 \$247.4	5,375 \$256.5	5,236 \$277.6	5,164 \$303.4
GROWTH RATES	-										
Total Assets	3.4%	5.2%	6.2%	3.9%	5.7%	7.3%	7.3%	6.7%	5.4%	7.8%	23.3%
Total Loans	-1.4%	1.2%	4.6%	8.0%	10.4%	10.5%	10.4%	10.1%	9.0%	6.2%	5.2%
Total Shares Net Worth	4.5% 5.1%	5.2% 6.8%	6.1% 8.5%	3.7% 7.4%	4.5% 7.5%	6.9% 6.9%	7.5% 7.1%	6.1% 7.3%	4.4% 8.7%	6.9% 8.5%	21.8% 5.2%
BALANCE SHEET ALLOCA	TION										
Net Worth Ratio	10.1%	10.2%	10.4%	10.8%	11.0%	10.9%	10.9%	11.0%	11.3%	11.4%	10.5%
Cash & Inv-to-Assets	35%	37%	38%	35%	32%	31%	28%	26%	24%	25%	31%
Loans-to-Total Assets	62%	59%	58%	61%	63%	65%	67%	69%	72%	71%	65%
Vehicle-to-Total Loans	11%	29%	30%	31%	32%	33%	34%	35%	35%	34%	33%
RELoans-to-Total Loans	55%	55%	54%	53%	51%	50%	50%	49%	49%	50%	51%
RELoans-to-Net Worth	337%	319%	300%	296%	296%	302%	306%	313%	313%	313%	319%
Indirect-to-Total Loans	13%	12%	13%	14%	16%	17%	19%	20%	21%	21%	20%
Loans-to-Shares Pct of Non-term-Shares	72% 62%	69% 65%	68% 67%	71% 69%	75% 71%	77% 72%	80% 73%	83% 73%	86% 72%	84% 70%	76% 73%
ST Funding Ratio Net LT Assets Ratio	16.1% 33%	17.3% 32%	17.5% 33%	14.9% 36%	13.7% 34%	13.5% 33%	13.4% 33%	12.4% 34%	11.4% 34%	12.8% 34%	17.6% 33%
LOAN QUALITY & ADEQU											
Loan Delinguency Rate	1.76%	1.60%	1.16%	1.01%	0.85%	0.81%	0.83%	0.81%	0.71%	0.70%	0.58%
Net Charge-off Rate	1.13%	0.91%	0.73%	0.57%	0.83%	0.81%	0.85%	0.60%	0.71%	0.70%	0.58%
"Misery" Index	2.89%	2.51%	1.89%	1.58%	1.35%	1.29%	1.38%	1.41%	1.29%	1.27%	1.11%
RE Loan Delinquency	2.10%	2.00%	1.38%	1.15%	0.89%	0.75%	0.63%	0.61%	0.54%	0.55%	0.54%
Veh Loan Delinquency	-	-	-	0.69%	0.67%	0.68%	0.72%	0.70%	0.66%	0.65%	0.47%
-Direct Delinquency	-	-	-	0.60%	0.60%	0.64%	0.67%	0.67%	0.64%	0.63%	0.44%
-Indirect Delinquency	1.17%	0.97%	0.77%	0.79%	0.74%	0.72%	0.76%	0.72%	0.67%	0.66%	0.49%
Loss Allowance Ratio	1.67%	1.55%	1.36%	1.13%	0.98%	0.94%	0.90%	0.92%	0.89%	0.86%	1.00%
Current Loss Exposure	1.62%	1.40%	1.05%	0.83%	0.62%	0.53%	0.47%	0.46%	0.48%	0.49%	0.34%
EARNINGS:											
Gross Asset Yield	4.46%	4.04%	3.65%	3.39%	3.38%	3.37%	3.41%	3.55%	3.82%	4.06%	3.67%
Cost of Funds Gross Margin	1.21% 3.25%	0.93%	0.73%	0.59%	0.54%	0.52%	0.53%	0.57%	0.69%	0.90%	0.79%
Gross Margin		3.12%									2.88%
Provision Expense	0.78%	0.50%	0.36%	0.26%	0.28%	0.35%	0.41%	0.48%	0.46%	0.43%	0.59%
Net Margin	2.46%	2.62%	2.56%	2.53%	2.56%	2.50%	2.48%	2.51%	2.66%	2.73%	2.29%
Non-Interest Income	1.33%	1.30%	1.43%	1.38%	1.31%	1.34%	1.37%	1.33%	1.38%	1.35%	1.24%
Non-Interest Expense	3.07%	3.06%	3.10%	3.10%	3.11%	3.12%	3.10%	3.08%	3.14%	3.20%	3.04%
Net Operating Exp	1.74%	1.76%	1.67%	1.72%	1.80%	1.77%	1.73%	1.75%	1.77%	1.85%	1.80%
Net Operating Return	0.72%	0.86%	0.89%	0.82%	0.76%	0.73%	0.74%	0.76%	0.90%	0.88%	0.50%
Non-recurring Inc(Exp)	-0.22%	-0.19%	-0.04%	-0.04%	0.04%	0.02%	0.02%	0.02%	0.02%	0.06%	0.03%
Net Income (ROA)	0.50%	0.67%	0.85%	0.78%	0.80%	0.75%	0.76%	0.78%	0.92%	0.94%	0.53%
	5.1%	6.6%	8.3%			6.8%					